Graphical Display: Graphics Card Requirements and Cards Tested
Release 2022 R1

Minimum Graphics Requirements

Ansys Products (other than Discovery, Speos, and VRXPerience), Windows Platforms: Discrete graphics card with the latest drivers and compatible with the supported operating systems. For full functionality, use of a recent NVIDIA Quadro or AMD Radeon Pro card with at least 1 GB of discrete video memory and supporting, at a minimum, OpenGL version 4.5, DirectX 11, Shader Model 5.0.

Ansys Products, Linux Platfoms: Discrete graphics card with the latest drivers and compatible with the supported operating systems. For full functionality, use of a recent NVIDIA Quadro or AMD Radeon Pro card with at least 1 GB of discrete video memory and supporting, at a minimum, OpenGL version 4.5

Discovery: NVIDIA Discrete graphics card with the latest drivers. Pascal series or newer recommended. At least 4 GB of discrete video memory (8 GB recommended). OpenGL version 4.6 or above. AMD Radeon Pro cards are also supported, with the exception of the Explore stage, and when running under Discovery Modeling at least 2 GB of discrete video memory is required (4+ GB recommended).

Speos: NVIDIA discrete graphics cards with the latest drivers (listed in the technical documentation), Pascal-, Volta-, Turing- or Ampere-based cards (recommended). At least 4 GB of discrete video memory is required (16 GB recommended).

Speos for NX and Speos for Creo Parametric: NVIDIA or AMD discrete graphics cards (Pro recommended) with the latest drivers (listed in the technical documentation), At least 4 GB of discrete video memory (8 GB recommended). In addition 2021 R2 Speos for NX will support the AMD Radeon Vega 56.

VRXPerience: NVIDIA discrete graphics cards with the latest certified drivers (listed in the technical documentation), compatible with the supported operating systems and supporting, at a minimum, OpenGL version 2.1, OpenCL version 2.1. A Quadro P5200, P6000 or similar specification card is suggested for minimal accepatable perfomance.

GPGPU: Some ANSYS products support problem solving on the graphics processor (GPGPU capability). The additional graphics card requirements for GPGPU are included in the GPU Accelerator Capibilities document at ansys.com> Support> Platform Support.

Cards Tested

The graphics cards listed below have been tested successfully with these Ansys' applications and products: Ansys Workbench/Mechanical, Autodyn, CFX, Chemikn, DesignXplorer, Discovery, Electronics suite (Designer Workflow, HFSS, Maxwell, Q3D Extractor, and SIwave), Enerigo, EnSight, FENSAP-ICE, Fluent/Fluent-Meshing, Forte, ICEM CFD, Icepak, Mechanical APDL, Meshing, optiSLang, Polyflow, SpaceClaim, SpaceClaim Meshing, Speos, Speos for NX, Speos for Creo Parametric, SpaceClaim, System Coupling, TurboGrid, and TwinBuilder. Cards tested with VRXPerience are available on request from Technical Support.

AMD Radeon Pro graphic cards are not supported by Fluent on the Linux platform.

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
AMD	Radeon Pro	W5500	Windows x64	Windows 10	
			Linux x64	CentOS 8.3	
		W5700	Windows x64	Windows 10	
		W6600	Windows x64	Windows 10	
			Linux x64	RHEL 8.4	
		W6800	Windows x64	Windows 10	
			Linux x64	RHEL 8.3	
		WX3100	Linux x64	CentOS 7.9	
		WX3200	Windows x64	Windows Server 2019	
		WX7100	Windows x64	Windows 10	
			Linux x64	SLES 15.2	
		WX8200	Linux x64	CentOS 8.2	
		WX9100	Windows x64	Windows 10	
		Vega 56	Windows x64	Windows 10	Tested with Speos for NX only
		VII	Windows x64	Windows 10	
			Linux x64	RHEL 7.9	
	Ryzen Pro	4000 Mobile	Windows x64	Windows 10	Requires specific non-unified driver for installation

Manufacturer	Produst Series	Card Version	Tested Platform	Tested OS	Notes
NVIDIA	Quardo GV	GV100	Windows x64	Windows 10	
			Linux x64	RHEL 8.2	
	Quadro P	P600	Windows x64	Windows 10	
			Linux x64	RHEL 8.2	
		P1000	Linux x64	RHEL 8.3	
		P2000	Linux x64	SLES 12.5	
		P2200	Windows x64	Windows 10	
			Linux x64	CentOS 8.3	
		P4000	Windows x64	Windows 10	
			Linux x64	SLES 15.2	
		P5000	Linux x64	CentOS 8.1	
		P5200	Windows x64	Windows 10	Tested with Speos only
		P6000	Windows x64	Windows 10	
			Linux x64	RHEL 7.8	
	Quadro RTX	3000 (mobile)	Windows x64	Windows 10	
		4000 (mobile)	Windows x64	Windows 10	
		4000	Windows x64	Windows 10	
			Linux x64	RHEL 7.7	
		5000 (mobile)	Windows x64	Windows 10	
		5000	Windows x64	Windows 10	
			Linux x64	SLES 15.1	
		6000	Windows x64	Windows 10	
			Linux x64	RHEL 8.4	
		8000	Windows x64	Windows 10	
			Linux x64	SLES 12.5	
	Quadro T	T2000 (mobile)	Windows x64	Windows 10	

Manufacturer	Product Series	Card Version	Tested Platform	Tested OS	Notes
NVIDIA	RTX	A2000 (mobile)	Windows x64	Windows 10	
		A2000	Windows x64	Windows 10	
			Linux x64	SLES 15.2	
		A3000 (mobile)	Windows x64	Windows 10	
		A4000 (mobile)	Windows x64	Windows 10	
		A4000	Windows x64	Windows 10	
			Linux x64	RHEL8.3	
				CentOS 8.3	
		A5000 (mobile)	Windows x64	Windows 10	
		A5000	Windows x64	Windows 10	
			Linux x64	CentOS 7.8	
		A6000	Windows x64	Windows 10	
			Linux x64	SLES 12.4	
	T	T400	Windows x64	Windows 10	
			Linux x64	CentOS 8.2	
		T500 (mobile)	Windows x64	Windows 10	
		T600	Windows x64	Windows 10	
			Linux x64	RHEL 7.9	
		T1000	Windows x64	Windows 10	
			Linux x64	SLES 15.1	
		T1200 (mobile)	Windows x64	Windows 10	